

APPENDIX D

ACRONYMS AND ABBREVIATIONS

3D-VAR	Three Dimensional VARIational (AF)
4DWX	Four Dimensional Weather (Army)
AA	Active Army
AASHTO	American Association of State Highway and Transportation Officials (FHWA)
AAU	Alaskan Aviation Unit (NOAA/NCEP)
ABCS	Army Battle Command System (Army)
ABFM	Airborne Field Mill (NASA)
ABL	Airborne Laser (AF)
ABLE	Atmospheric Boundary Layer Experiment (DOE)
AC	Active Component (DOD)
ACARS	ARINC Communication Addressing and Reporting System
ACE	Aviation Combat Element (USMC)
ACP	Atmospheric Chemistry Program (DOE)
ADAS	AWOS/ASOS Data Acquisition System (FAA)
ADEOS	Advanced Earth Observing System (NASA)
AEC	Atomic Energy Commission (DOE)
AESS	Allied Environmental Support System (Navy)
AF	Air Force
AFB	Air Force Base
AFCCC	Air Force Combat Climatology Center
AFCWC	Air Force Global Combat Weather Center
AFFSA	Air Force Flight Standards Agency
AFJI	Air Force Joint Instruction
AFR	Air Force Reserve
AFRL	Air Force Research Laboratory
AFSOC	Air Force Special Operations Command
AFTAC	Air Force Technical Applications Center
AFW	Air Force Weather
AFWA	Air Force Weather Agency
AFWIN	Air Force Weather Information Network
AFWWS	Air Force Weather Weapon System
AGFS	Aviation Gridded Forecast System (FAA)
AHPS	Advanced Hydrologic Prediction Services (NOAA/NWS)
AI	Aircraft Icing (NASA)
AIP	Airport Improvement Program (FAA)
AIRMAP	Atmospheric Investigation Regional Modeling, Analysis, and Prediction (NOAA/OAR)
AIRMoN	Atmospheric Integrated Research Monitoring Network (NOAA/OAR)
AIRS	Atmospheric Infrared Sounder (NASA)
AL	Aeronomy Laboratory (NOAA/OAR)
ALDARS	Automated Lightning Detection and Reporting System (FAA)
AMC	Army Matériel Command (Army)
AMDAR	Automatic Meteorological Data and Reporting
AMIS	Automated Meteorological Information System (AF)
AMPS	Automated Meteorological Profiling System (NASA)
AMOS	Automated Meteorological Observing System (Navy)
AMSU	Advanced Microwave Sounding Unit
AMU	Applied Meteorology Unit (NASA)
ANG	Air National Guard (DOD)
ANL	Argonne National Laboratory (DOE)
AOC	Aircraft Operations Center (NOAA)
AOML	Atlantic Oceanographic and Meteorological Laboratory (NOAA/ERL)
AOR	Area of Responsibility (DOD)
AOT	Aerosol Optical Thickness (NOAA/NESDIS)

APT	Automatic Picture Transmission (NOAA/NESDIS)
AR	Army Regulation
ARAC	Atmospheric Release Advisory Capability (DOE)
ARCS	Atmospheric Radiation CART Sites (NOAA/OAR)
ARG	Accident Response Group (DOE)
ARGO	Global Array of Profiling Floats (NOAA/OAR)
ARGOS	French Satellite Data Collection System
ARINC	Aeronautical Radio Incorporated
ARL	Army Research Laboratory (Army)
	Air Resources Laboratory (NOAA)
ARM	Atmospheric Radiation Monitoring (DOE)
ARNG	Army National Guard
ARO	Army Research Office
ARS	Agricultural Research Service (USDA)
	Air Traffic System Requirements Service (FAA)
ARSPACE	Army Space Command
ARSR	Air Route Surveillance Radar (FAA)
ARSST	Army Space Support Team
ARTCC	Air Route Traffic Control Center (FAA)
ARTYMET	Artillery Meteorological (Army)
ARW	Aviation Weather Directorate (FAA)
ASD	Atmospheric Sciences Division (DOE)
ASDAR	Aircraft to Satellite Data Relay
ASOG	Air Support Operations Group (AF)
ASOS	Automated Surface Observing System
	Air Support Operations Squadron (AF)
ASR	Airport Surveillance Radar (FAA)
ATC	Air Traffic Control (FAA)
ATCCS	Army Tactical Command and Control System
ATDD	Atmospheric Turbulence and Diffusion Division (NOAA/ARL)
ATEC	Army Test and Evaluation Command
ATLAS	Autonomous Temperature Line Acquisition System (NOAA/OAR)
ATOS	Appalachian Tropospheric Ozone Study (NOAA/AOC)
ATWIS	Advanced Transportation Weather Information System (FHWA)
AVHRR	Advanced Very High Resolution Radiometer (NOAA)
AVO	Alaskan Volcano Observatory (DOI/USGS)
AVP	Advanced Vehicle Technologies Program (FTA)
AWARDS	Agricultural Water Resources Decision Support (DOI/BUREC)
AWC	Aviation Weather Center (NOAA/NCEP)
AWIPS	Advanced Weather Interactive Processing System (NOAA)
AWN	Automated Weather Network (DOD)
AWOS	Automated Weather Observing System (FAA)
AWR	Aviation Weather Research (FAA)
AWSS	Aviation Weather Sensor System (FAA)
AWTT	Aviation Weather Technology Transfer (FAA)
BASC	Board on Atmospheric Sciences and Climate
BCTP	Battle Command Training Program (Army)
BE	Battlefield Environment (Army)
BER	Biological and Environmental Research (DOE)
BFA	Battlefield Functional Areas (Army)
BLM	Bureau of Land Management (DOI)
BNL	Brookhaven National Laboratory (DOE)
BUFR	Binary Universal Form for the Representation of Meteorological Data
BUREC	Bureau of Reclamation (DOI)
C ²	Command and Control (DOD)
C ⁴ I	Command, Control, Communications, Computers, and Intelligence (DOD)

CAAM	Computer Assisted Artillery Meteorology (Army)
CAC	Combined Arms Center (Army)
CALJET	California Land-falling Jets Experiment (NOAA/OAR)
CAMEX	Convective and Moisture Experiment (NASA)
CAP	Civil Air Patrol
CAPARS	Computer-Assisted Protective Action Recommendation System (DOE)
CARDS	Comprehensive Aerological Reference Data Set (NOAA/NCDC)
CARS	Condition Acquisition and Reporting System (FHWA)
CART	Clouds and Radiation Testbed (DOE)
CASPER	Computer Aided System For Planning Efficient Routes (FHWA)
CAST	Commercial Aviation Safety Team (FAA)
CAWIS	Committee for Automated Weather Information Systems (OFCM)
CBIRF	Chemical Biological Incident Response Force (USMC)
CBNP	Chemical Biological Non-Proliferation Program (DOE)
CBOFS	Chesapeake Bay Oceanographic Forecasting System (NOAA/NOS)
CBRNE	Chemical, Biological, Radiological, Nuclear, or High-Yield Explosive (USMC)
CCM3	Community Climate Model-3
CCMC	Community Coordinated Modeling Center (AF)
CCMS	Committee on the Challenge of Modern Society (EPA)
CDA	Command and Data Acquisition
CDFS	Cloud Depiction and Forecast System (AF)
CECOM	Communications and Electronics Command (Army)
CEMSCS	Central Environmental Satellite Computer System (NOAA/NESDIS)
CENR	Committee on Environment and Natural Resources
CEOS	Committee on Earth Observation Satellites (NOAA/NESDIS)
CERES	Clouds and Earth's Radiant Energy System (NASA)
CFIT	Controlled flight into terrain (NASA)
CGSC	Command and General Staff College (Army)
CHAMMP	Computer Hardware Advanced Mathematics and Model Physics (DOE)
CIASTA	Cooperative Institute for Atmospheric Studies and Terrestrial Applications (NOAA/OAR)
CIDE	Communications Interfaces and Data Exchange (OFCM)
CIOS	Committee for Integrated Observing Systems (OFCM)
CIRES	Cooperative Institute for Research in Environmental Sciences (NOAA)
CIWS	Corridor Integrated Weather System (FAA)
CLASS	Comprehensive Large Array-Data Stewardship System (NOAA/NESDIS)
C-MAN	Coastal-Marine Automated Network
CMAQ	Community Multi-scale Air Quality (EPA)
CMDL	Climate Monitoring and Diagnostics Laboratory (NOAA/OAR)
CME	Coronal Mass Ejection
CMFC	Coordinating METOC Forecast Center (Navy)
COADS	Comprehensive Ocean-Atmosphere Data Set (NOAA/NCDC)
COAMPS	Coupled Ocean-Atmosphere Mesoscale Prediction System (Navy)
COARE	Coupled Ocean-Atmosphere Response Experiment
COE	Corps of Engineers (Army)
COMET	Cooperative Program for Operational Meteorology, Education and Training
CONUS	Continental United States (DOD)
CONUSA	Continental United States Armies (Army)
COPC	Committee for Operational Processing Centers (OFCM)
COOP	Cooperative Observer Program (NOAA/NWS)
CORMS	Continuous Real-time Monitoring System (NOAA/NOS)
COSMIC	Constellation Observing System for Meteorology, Ionosphere, and Climate (AF)
COTS	Commercial Off-the-Shelf
CPC	Climate Prediction Center (NOAA/NCEP)
CPHC	Central Pacific Hurricane Center (NOAA/NCEP)
CRADA	Cooperative Research and Development Agreement
CRN	Climate Reference Network (NOAA)
CRREL	Cold Regions Research and Engineering Laboratory (Army)
CS	Climate Services (OFCM)

CSD	Climate Services Division (NOAA/NWS)
CSEPP	Chemical Stockpile Emergency Preparedness Program (DOE)
CSRA	Central Savannah River Area (DOE)
CSREES	Cooperative State Research, Education, and Extension Service (USDA)
CSW	Committee for Space Weather (OFCM)
CTA	Common Table of Allowances (Army)
CTBT	Comprehensive Test Ban Treaty (DOE)
CWF	Combat Weather Flight (AF)
CWS	Combat Weather Squadron (AF)
CWSU	Center Weather Service Unit (FAA)
CWT	Combat Weather Team (AF)
CXD	Combined X-ray Dosimeter (DOE)
CY	Calendar Year
DAC	Data Assembly Center (NOAA/OAR)
DAMPS	Distributed Atmospheric Modeling Prediction System (Navy)
DCO	Data Collection Office (NOAA/NWS)
DCP	Data Collection Package
DCS	Data Collection System (NOAA/NESDIS)
DEPSCoR	Experimental Program to Stimulate Competitive Research (DOD)
DGPS	Differential Global Positioning System (USGS)
DISS	Digital Ionospheric Sounding System (AF)
DMCC	DOE Meteorological Coordinating Council
DMS	Dynamic Message Sign (FHWA)
DMSO	Defense Modeling and Simulation Office (AF)
DMSP	Defense Meteorological Satellite Program (AF)
DOC	Department of Commerce
DOD	Department of Defense
DOE	Department of Energy
DOI	Department of the Interior
DOMSAT	Domestic Communications Satellite
DOS	Department of State
DOT	Department of Transportation
DRA	Desert Rock Meteorological Observatory (DOE)
DRGS	Direct readout ground stations (DOI)
DRI	Desert Research Institute
DRWP	Doppler Radar Wind Profiler (NASA)
DTC	Developmental Test Command (Army)
DTED	Digital Terrain Elevation Data (AF)
DTSS	Digital Topographic Support System (Army)
DUAT	Direct User Access Terminal (FAA)
DURIP	Defense University Research Instrumentation Program (Army)
EAC	Echelon Above Corps (Army)
ECDIS	Electronic Chart Display Information System (NOAA/NOS)
ECMWF	European Centre for Medium-Range Weather Forecasting
EDAS	Eta Data Assimilation System (NOAA/NESDIS)
EDIS	Environmental Data and Information Service (NOAA)
ELV	Expendable Launch Vehicle (NASA)
EMC	Environmental Modeling Center (NOAA/NCEP)
	European Modeling Center (NOAA/NCEP)
ENSO	El Niño-Southern Oscillation
EO	Electro-optical
	Earth Observation (NASA)
EOC	Emergency Operations Center
EOS	Earth Observing System (NASA)
EOSDIS	EOS Data and Information System (NASA)
EPA	Environmental Protection Agency

EPD	Environmental Protection Division (DOE)
EPIC	Equatorial Pacific Investigation of Climate (NOAA/AOC)
E-PIREPS	Electronic Pilot Reports (FAA)
ER	Eastern Range (NASA)
ERBS	Earth Radiation Budget Satellite (NASA)
ERC	Extended Research Checkout
ERDA	Energy Research and Development Administration
ERDAS	Eastern Range Dispersion Assessment System (NASA)
ERDC	Engineering Research and Development Center (Army)
ERL	Environmental Research Laboratories (NOAA)
ESD/IPC	Environmental Satellite Distribution/Interactive Processing Center (NOAA/NESDIS)
ESE	Earth Science Enterprise (NASA)
ESP	Energy Spectrometer for Particles (DOE)
	Ensemble Streamflow Prediction (NWS)
ESS	Environmental Sensor Station (FHWA)
ESSP	Earth System Science Pathfinders (NASA)
ETIS	Evacuation Traffic Information System (FHWA)
ETL	Environmental Technology Laboratory (NOAA/OAR)
ETOS	East Tennessee Ozone Study (NOAA/OAR)
ETTP	East Tennessee Technology Park (DOE)
EUMETSAT	European Organization for the Exploitation of Meteorological Satellites
EUSA	Eighth U.S. Army
EUUV	Extreme Ultraviolet
FAA	Federal Aviation Administration
FALOP	Forward Area Limited Observing Program (AF)
FAS	Foreign Agricultural Service (USDA)
FBA	Fire Behavior Analysts (DOI)
FCCC	Framework Convention on Climate Change (DOS)
FCMSSR	Federal Committee for Meteorological Services and Supporting Research (OFCM)
FCS	Future Combat System (Army)
FDD	First Digitized Division (Army)
FDIC	Force Development and Integration Center (Army)
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIRETEC	Fire Behavior Model (DOE)
FIRST	FAA Icing Remote Sensor Testbed (NOAA/OAR)
FIS	Flight Information System (FAA)
FLENUMMETOCCEN	Fleet Numerical Meteorology and Oceanography Center, Monterey, California
FMF	Fleet Marine Force
FMH	Federal Meteorological Handbook (OFCM)
FNMOCC	Fleet Numerical Meteorology and Oceanography Center (Navy)
FOA	Field operating agency (AF)
FORSCOM	U.S. Army Forces Command
FOV	Field of vision
FRA	Federal Railroad Administration
FRD	Field Research Division (NOAA/ARL)
FRERP	Federal Radiological Emergency Response Plan (DOE)
FRMAC	Federal Radiological Monitoring and Assessment Center (DOE)
FRWS	Fire RAWS (DOI)
FS-21	Forecasting System 21 st Century (AF)
FS	Forest Service (USDA)
FSA	Farm Services Agency (USDA)
FSL	Forecast Systems Laboratory (NOAA/OAR)
FTA	Federal Transit Administration
FTE	Full-time Equivalent
FTP	File Transfer Protocol
FU	Forecast Unit

FWS	Fish and Wildlife Service (DOI)
FY	Fiscal year
G-IV	Gulfstream IV (NOAA)
GAA	GOES Active Archive (NOAA/NESDIS)
GAC	Global Area Coverage
GACC	Geographic Areas and Coordination Center (DOI)
GACP	Global Aerosol Climatology Project (NASA)
GAPP	GEWEX Applications Prediction Program (DOI/BUREC)
GAO	General Accounting Office
GCCR	Global Climate Change Research (DOE)
GCCS	Global Command and Control System (DOD)
GCIP	GEWEX Continental-scale International Project (DOI)
GCM	Global Climate Models (DOE)
GCOS	Global Climate Observing System (WWP)
GCPS	Global Climate Perspectives System
GCRP	Global Change Research Program
GDPS	Global Data Processing System (WWP)
GEOSAR	Geostationary Earth Orbit Search and Rescue (NOAA/NESDIS)
GEWEX	Global Energy and Water-Balance Experiment
GFDL	Geophysical Fluid Dynamics Laboratory (NOAA/ERL)
GHCN	Global Historical Climatology Network
G-IPPA	Government-Industry Project Performance Agreement (FAA)
GIN	Geomagnetic Information Nodes (DOI)
GIS	Geographic Information System
GLD	Global Lagrangian Drifters (NOAA/OAR)
GLONASS	Global Navigation Satellite System (NOAA/NESDIS)
GMS	Geostationary Meteorological Satellite-Japan (WWP)
GMSRA	GOES Multi-Spectral Rainfall Algorithms (NOAA/NESDIS)
GOES	Geostationary Operational Environmental Satellite (NOAA)
GOOS	Global Ocean Observing System
GOS	Global Observing System (WWP)
GOSSP	Global Observing Systems Space Panel (NOAA/NESDIS)
GPCP	Global Precipitation Climatology Program
GPS	Global Positioning System
GPS/MET	GPS for Meteorology
GRIB	Gridded Binary (FM 92-X Ext.)
GRIDS	Ground-based Remote Icing Detection System (NOAA/OAR)
GSFC	Goddard Space Flight Center (NASA)
GSN	GCOS Surface Network (WWP)
GTS	Global Telecommunications System (WWP)
GTSP	Global Temperature-Salinity Profile Project
GTWAPS	Global Theater Weather Analysis and Prediction System (AF)
GUAN	GCOS Upper Air Network (WWP)
HaL	Hurricanes at Landfall (NOAA/OAR)
HAR	Highway Advisory Radio (FHWA)
HARM	Hazardous Atmospheric Release Model (NOAA/OAR)
HCRS	Highway Closure and Restriction System (FHWA)
HELSTF	High Energy Laser System Test Facility (Army)
HF	High frequency (AF)
HFRB	High frequency regional broadcast (DOD)
HIGRAD	High Resolution and Strong Gradient
HIRS/3	High Resolution Infrared Radiation Sounder (NOAA/NESDIS)
HMI	Hydrologic Modeling Inventory (DOI)
HMSC	Hazardous Materials Spill Center (DOE)
HMMWV	High Mobility Multi-purpose Wheeled Vehicle (Army)
HPC	Hydrometeorological Prediction Center (NOAA/NCEP)

HPCC	High Performance Computing and Communications
HRAP	Hydrologic Rainfall Analysis Project (DOI)
HRD	Hurricane Research Division (NOAA/ERL)
HRPT	High Resolution Picture Transmission (NOAA/NESDIS)
HSA	Hydrologic Service Area (NOAA/NWS)
HSM	Heat Stress Monitor (Army)
HYSPLIT	Hybrid Single Particle Lagrangian Integrated Trajectory (NOAA/OAR)
HUD	Head-up display (NASA)
IAMS	Initial Attack Management System (DOI)
IAS	International Airspace System (NOAA/NWS)
IAV	Interim Armored Vehicle (Army)
IBCT	Interim Brigade Combat Teams (Army)
ICAO	International Civil Aviation Organization
ICMSSR	Interdepartmental Committee for Meteorological Services and Supporting Research (OFCM)
ICSU	International Council of Scientific Unions
IDCS	International Data Collection System (WWP)
IEW	Intelligence and Electronic Warfare (Army)
IFFA	Interactive Flash Flood Analyzer (NOAA/NESDIS)
IGBP	International Geosphere Biosphere Programme (WWP)
IHC	Interdepartmental Hurricane Conference (OFCM)
IIP	International Ice Patrol (USCG)
IMDES	Interdepartmental Meteorological Data Exchange System
IMETS	Integrated Meteorological System (Army)
	Incident Meteorologists (NOAA/NWS)
INEEL	Idaho National Engineering and Environmental Laboratory (DOE)
INSAT	India's National Satellite (WWP)
IPB	Intelligence Preparation of the Battlefield (DOD)
IPCC	Intergovernmental Panel on Climate Change (WWP/DOS)
IPEX	Intermountain Precipitation Experiment (NOAA/OAR)
IPO	Integrated Program Office
IR	Infrared
IRTSS	Infrared Target Scene Simulation Software (AF)
ISCCP	International Satellite Cloud Climatology Program (NOAA/NESDIS)
ISES	International Space Environment Service (NOAA/OAR)
ISIS	Integrated Solar Irradiance Study (NOAA/OAR)
ISTEA	Intermodal Surface Transportation Efficiency Act (FHWA)
ITCT	Intercontinental Transport and Chemical Transformation (NOAA/OAR)
ITCZ	Inter-tropical convergence zone
ITS	Intelligent Transportation System (FHWA)
ITS-JPO	ITS Joint Program Office FHWA)
ITWS	Integrated Terminal Weather System (FAA)
IWEDA	Integrated Weather Effects Decision Aid (Army)
IWRS	Improved Weather Reconnaissance System (OFCM)
IWRPC	Improved Weather Reconnaissance System Program Council (OFCM)
JAAWIN	Joint Air Force-Army Weather Information Network (AF)
JAG	Joint Action Group
JASL	Joint Archive for Sea Level
JAWF	Joint Agricultural Weather Facility (USDA)
JCS	Joint Chiefs of Staff (DOD)
JCSDA	Joint Center for Satellite Data Assimilation (NOAA/NCEP)
JEES	Joint Environmental Exploitation Segment (AF)
JGOFS	Joint Global Ocean Flux Study
JHT	Joint Hurricane Testbed (NOAA/OAR)
JMFU	Joint METOC Forecasting Unit (USMC)
JMIB	Joint METOC Interoperability Board (Navy)
JMV	Joint METOC Viewer (Navy)

JPL	Jet Propulsion Laboratory (NASA)
JSAT	Joint Safety Analysis Team (FAA)
JSIT	Joint Safety Implementation Team (FAA)
JSC	Johnson Space Center (NASA)
JSCP	Joint Strategic Capabilities Plan (Army)
JTWC	Joint Typhoon Warning Center (AF/Navy)
JWIS	Joint Weather Impacts System (AF)
KLC	Kodiak Launch Center (NASA)
KM	Kilometer
KSC	Kennedy Space Center (NASA)
KVERT	Kamchatka Volcanic Eruption Response Team (DOI)
LAAS	Local Area Augmentation System (FAA)
LAC	Local Area Coverage
LAN	Local area network
LANL	Los Alamos National Laboratory (DOE)
LAPS	Local Analysis and Prediction System (NOAA/FSL)
LDAR	Lightning Detection and Ranging
LDCM	Landsat Data Continuity Mission (NASA)
LDIS	Local Data Integration System (NASA)
LLCC	Lightning Launch Commit Criteria (NASA)
LLNL	Lawrence Livermore National Laboratory (DOE)
LLWAS	Low Level Wind Shear Alert System (FAA)
LLWAS-RS	LLWAS-Relocation/Sustainment (FAA)
LRGS	Local readout ground stations (DOI)
LSM	Land Surface Model (AF)
LWS	Living With A Star (NASA)
MACOM	Major Army Command
MAGTF	Marine Air Ground Task Force
MAJCOM	Major Command (AF)
MAW	Marine Aircraft Wing
MB	Millibars
MC	Meteorological Codes
MCAF	Marine Corps Air Facilities
MCAS	Marine Corps Air Station
MCCDC	Marine Corps Combat Development Command (DOD)
MCD	Mesoscale Discussions (NOAA/NWS)
MCO	Maintenance and Construction Operations (FHWA)
MCS	Mesoscale Convective System (NOAA/OAR)
MCWP	Marine Corps Warfighting Publication (DOD)
MDCRS	Meteorological Data Communications and Reporting System (WWP)
MDSS	Maintenance Decision Support System (FHWA)
MeaPRS	MCS Electrification and Polarimetric Radar Study (NOAA/OAR)
MEPED	Medium Energy Proton and Electron Detector (NOAA/NESDIS)
MES	Marine Environmental Services (OFCM)
MET	Mobile Environmental Teams (Navy)
	Meteorological Teams (Army)
METMF	Meteorological Mobile Facility (Navy)
METOC	Meteorological and Oceanographic (DOD)
MHS	Microwave Humidity Sounder (NOAA/NESDIS)
MIMS	Multimedia Integrated Modeling System (EPA)
MM5	Mesoscale Meteorological Model-Version 5.0 (AF)
MME	Mobile Meteorological Equipment (OFCM)
MMS	Meteorological Measuring System (Army)
	Mineral Management Service (DOI)
MMS-P	Meteorological Measuring System-Profiler (Army)

MOA	Memorandum of Agreement
MOBY	Marine Optical Buoy (NOAA/NESDIS)
MOCE	Marine Optical Characterization Experiment (NOAA/NESDIS)
MODIS	Moderate Resolution Imaging Spectrometer (NASA)
MOS	Model Output Statistics (FHWA)
MPA	Magnetospheric Plasma Analyzer (DOE)
MPC	Marine Prediction Center (NOAA/NCEP)
MS	Monitoring the Stratosphere (OFCM)
MSCP	Meteorological and Climate Services Project (DOE)
MSFC	Marshall Space Flight Center (NASA)
MSL	Mean sea level
MSS	Meteorological Sounding System (NASA)
MST	Meteorological Support Teams (USMC)
MSU	Microwave Sounding Unit (NOAA/NESDIS)
MTN	Main Telecommunications Network (WWP)
MTOE	Modified Table of Organization and Equipment (Army)
MTPE	Mission to Planet Earth (NASA)
MWSS	Marine Wing Support Squadron
N511	National 511-Traveler Information Service (FHWA)
NADIN	National Airspace Data Interchange Network (FAA)
NAF	Numbered Air Force
NAMIS	NATO Automated Meteorological Information System (DOD)
NAP	Non-insured Crop Disaster Assistance Program (USDA)
NAPP	National Aerial Photography Program (USDA)
NAOS	North American Atmospheric Observing System (NOAA)
NARAC	National Atmospheric Release Advisory Center (DOE)
NARSTO	North American Research Strategy for Tropospheric Ozone (EPA)
NAS	National Airspace System (FAA)
	National Academy of Sciences
NASA	National Aeronautics and Space Administration
NASDA	National Space Development Agency of Japan (NASA)
NASS	National Agricultural Statistics Service (USDA)
NATCOM	National Communications Center (FAA)
NAVCECEN	Naval Ice Center
NAVOCEANO	Naval Oceanographic Office
NAVLANTMETOCCEN	Naval Atlantic Meteorology and Oceanography Center, Norfolk, Virginia
NAVMETOCCOM	Naval Meteorology and Oceanography Command
NAVPACMETOCCEN	Naval Pacific Meteorology and Oceanography Center, Pearl Harbor, Hawaii
NAWPC	National Aviation Weather Program Council (OFCM)
NBC	Nuclear, Biological, and Chemical (DOD)
NC	NOAA Corps Operations
NCA	National Command Authority (DOD)
NCAR	National Center for Atmospheric Research
NCDC	National Climatic Data Center (NOAA/NESDIS)
NCEP	National Centers for Environmental Prediction (NOAA/NWS)
NCO	NCEP Central Operations (NOAA/NCEP)
	Non-commissioned officer (DOD)
NDBC	National Data Buoy Center (NOAA/NWS)
NDI	Non-developmental item
NDOP	National Digital Orthoquad Program (USDA)
NDRI	Natural Disaster Reduction Initiative (NOAA)
NDVI	Normalized Difference Vegetation Index (NOAA/NESDIS)
NESDIS	National Environmental Satellite, Data, and Information Service (NOAA)
NESHAP	<i>National Emission Standards for Hazardous Air Pollutants</i> (DOE)
NESS	National Environmental Satellite Service (NOAA)
NEST	Nuclear Emergency Search Team (DOE)
NEXRAD	Next Generation Weather Radar (WSR-88D)

NFIP	National Flood Insurance Program (FEMA)
NFDRS	National Fire Danger Rating System (DOI/BLM)
NGDC	National Geophysical Data Center (NOAA/NESDIS)
NGIC	National Geomagnetic Information Center (DOI)
NHC	National Hurricane Center (NOAA/NCEP)
NHOP	National Hurricane Operations Plan (OFCM)
NIC	National Ice Center (DOT/USCG)
NIFC	National Interagency Fire Center (DOI)
NIPRNET	Non-secure Internet Protocol Router Network (DOD)
NIST	National Institute of Standards and Technology (DOC)
NITES	Navy Integrated Tactical Environmental System
NLDN	National Lightning Detection Network (FAA)
NMC	National Meteorological Center(s) (WWP)
NMOC	Naval Meteorology and Oceanography Command
NMP	New Millennium Program (NASA)
NMS	National Military Strategy (DOD)
NMTN	National Telecommunications Network (WWP)
NNDC	NOAA National Data Center (NOAA/NESDIS)
NNSA	National Nuclear Security Administration (DOE)
NOAA	National Oceanic and Atmospheric Administration
NODC	National Oceanographic Data Center (NOAA/NESDIS)
NODDS	Navy Oceanographic Data Distribution System
NOGAPS	Navy Operational Global Atmospheric Prediction System
NOS	National Ocean Service (NOAA)
NOTAMS	Notices to Airmen (FAA)
NOWS	NVG Operations Weather Software (AF)
NPDES	National Pollutant Discharge Elimination System (DOE)
NPN	NOAA Profiler Network (NOAA/OAR)
NPOESS	National Polar-orbiting Operational Environmental Satellite System
NPP	NPOESS Preparatory Program (NASA)
NPS	National Park Service (DOI)
NRC	Nuclear Regulatory Commission
NRCS	Natural Resources Conservation Service (USDA)
NRL	Naval Research Laboratory
NRVR	New Generation Runway Visual Range (FAA)
NSF	National Science Foundation
NSIDC	National Snow and Ice Data Center (NOAA)
NSS	National Security Strategy (DOD)
NSSL	National Severe Storms Laboratory (NOAA)
NSTC	National Science and Technology Council
NSTEP	National Strategic Training and Education Plan (NOAA/NWS)
NSWP	National Space Weather Program (OFCM)
NTCIP	National Transportation Communications for ITS Protocol (FHWA)
N-TFS	New Tactical Forecast System (AF)
NTIS	National Technical Information Service
NTS	Nevada Test Site (DOE)
NTSB	National Transportation Safety Board
NV	Nevada Operations Office (DOE)
NVG	Night vision goggles (DOD)
NWLON	National Water-Level Observation Network (NOAA/NOS)
NWP	Numerical Weather Prediction
NWS	National Weather Service
NWSRFS	National Weather Service River Forecast Service (NOAA/NWS)
NWSTC	National Weather Service Training Center (NOAA/NWS)
OAR	Office of Oceanic and Atmospheric Research (NOAA)
OASIS	Operational and Supportability Implementation System (FAA)
OCAP	Operating Consortium of ASDAR Participants (WWP)

OCE	Office of the Chief Economist (USDA)
OCWWS	Office of Climate, Water, and Weather Services (NOAA/NWS)
OFCM	Office of the Federal Coordinator for Meteorology
OGP	Office of Global Programs (NOAA)
OMB	Office of Management and Budget
OMEGA	Operational Medicine Environmental Grid Application (Army)
ONR	Office of Naval Research
OPAREA	Fleet Operational Area (Navy)
OPARS	Optimum Path Aircraft Routing System (Navy)
OPS-II	Operational Weather Squadron Production System, Phase II
OR&F	Operations, Research, and Facilities (NOAA/NWS)
ORA	Office of Research and Applications (NOAA/NESDIS)
ORAU	Oak Ridge Associated Universities (DOE)
ORD	Operational Requirements Documents (DOD)
ORISE	Oak Ridge Institute for Science and Education (DOE)
ORPG	Open Systems Radar Product Generator (NOAA/OAR)
ORR	Oak Ridge Reservation (DOE)
ORNL	Oak Ridge National Laboratory (DOE)
ORO	Oak Ridge Operations (DOE)
OS-21	Observing System 21 st Century (AF)
OSDPD	Office of Satellite Data Processing and Distribution (NOAA/NESDIS)
OSEI	Operational Significant Event Imagery (NOAA/NESDIS)
OSO	Office of Satellite Operations (NOAA/NESDIS)
OSTEP	Ocean Systems Test and Evaluation Program (NOAA/NOS)
OSTP	Office of Science and Technology Policy
OTH	Over the horizon (NOAA/OAR)
OTW	Owning the Weather (Army)
OTSR	Optimum Track Ship Routing (Navy)
OWS	Operational Weather Squadron (AF)
OWSE	Operational World Weather Watch Systems Evaluation (WWP)
PAA	Precipitation Accumulation Algorithm (DOI)
PAC	Procurement, Acquisition, and Construction (NOAA/NWS)
PACS	Polar Acquisition and Control Subsystem (NOAA/NESDIS)
PASOS	Portable Automated Surface Observing System (AF)
PATMOS	Pathfinder Atmosphere (NOAA/NESDIS)
PBL	Planetary Boundary Layer (DOE)
PC	Program Council (OFCM)
PCMDI	Program for Climate Model Diagnosis and Intercomparison (DOE)
PD	Project Director (Army)
PECAD	Production Estimates and Crop Assessment Division (USDA)
PIBAL	Pilot Balloon
PIPS	Polar Ice Prediction System (NOAA/NESDIS)
PIRATA	Pilot Research Moored Array in the Tropical Atlantic (NOAA/OAR)
PIREP	Pilot Report
PMEL	Pacific Marine Environmental Laboratory (NOAA/ERL)
PNNL	Pacific Northwest National Laboratories (DOE)
PNT	Position, Navigation, and Timing (USCG)
POES	Polar-orbiting Operational Environmental Satellite (NOAA)
POP	Parallel Ocean Program (DOE)
POPS	Primary Oceanographic Prediction System (Navy)
PORTS	Physical Oceanographic Real-Time System (NOAA/NOS)
PSDA	Post-Storm Data Acquisition (OFCM)
PSR	Polarimetric Scanning Radiometer (NOAA/OAR)
PUP	Principal User Processor
QPF	Quantitative Precipitation Forecast (NOAA/NCEP)
R&A	Research and Analysis

R&D	Research and Development
RAFC	Regional Area Forecast Center (WWP)
RAMS	Regional Atmospheric Modeling System (DOE)
RAMSDIS	RAMM Branch Advanced Meteorological Satellite Demonstration and Interpretation System (NOAA/NESDIS)
RAP	Radiological Assistance Program (DOE)
RARC	Regional Atmospheric Response Center (DOE)
RASS	Radio Acoustic Sounding System (NOAA/OAR)
RATS	Radio Automatic Theodolite System (NASA)
RAWS	Remote Automatic Weather Station (USDA/DOI)
RC	Reserve Component (DOD)
RCC	Regional Climate Center (NOAA/NESDIS)
RCTM	Road Condition and Treatment Module (FHWA)
RDA	Radar Data Acquisition
RDEC	Research Development and Engineering Center (Army)
RDTE	Research, Development, Test and Evaluation (Army)
REIP	Reengineered Enterprise Infrastructure Program (AF)
RFETS	Rocky Flats Environmental Technology Site (DOE)
RFC	River Forecast Center (NOAA/NWS)
RMTN	Regional Meteorological Telecommunications Network (WWP)
RMWS	Remote Miniature Weather Systems (AF)
ROC	Radar Operations Center (NOAA/NWS)
RPC	Rapid Prototype Center (NOAA/SEC)
RSA	Range Standardization and Automation (NASA)
RSMC	Regional/Specialized Meteorological Centers (WWP)
RTH	Regional Telecommunications Hub (WWP)
RUC	Rapid Update Cycle (NOAA/OAR)
RVR	Runway Visual Range (FAA)
RWIS	Road Weather Information System (FHWA)
SAA	Satellite Active Archive
	Snow Accumulation Algorithm (DOI/BLM)
SAMS	Stochastic Analysis, Modeling, and Simulation (DOI)
SAP	Special Access Program
SAR	Synthetic Aperture Radar (NOAA/NESDIS)
SARSAT	Search and Rescue Satellite Aided Tracking
SATS	Small Aircraft Transportation System (NASA)
SAWS	Stand Alone Weather Sensor (FAA)
SBIR	Small Business Innovative Research Program (DOD)
SBUV	Solar Backscatter Ultra-violet Instrument (NOAA/NESDIS)
SCAN	Soil Climate Analysis Network (USDA)
SCI	Sensitive Compartmented Information (DOD)
SDHS	Satellite Data Handling System (AF)
SeaWiFS	Sea-viewing Wide Field Scanner (NASA)
SEC	Space Environmental Center (NOAA/NCEP)
	Sun Earth Connection (NASA)
SEM	Space Environment Monitor (NOAA)
SEMSIM	Southeastern Michigan Snow and Ice Management (FHWA)
SFMR	Stepped Frequency Microwave Radiometer
SHEBA	Surface Heat Budget of the Arctic Ocean (DOE)
SHEP	State Highway Emergency Patrol (FHWA)
SHRP	Strategic Highway Research Program (FHWA)
SIGRID	Sea Ice in Gridded Format (NOAA/NESDIS)
SLRS-C	Spacelift Range System Contract (NASA)
SMDC	Space and Missile Defense Command (DOE)
SMG	Spaceflight Meteorology Group (NASA)
SNDR	Subcommittee on Natural Disaster Reduction
SNL	Sandia National Laboratory (DOE)

SNODEP	Snow depth
SNOTEL	Snow Telemetry (USDA)
SOCC	Satellite Operations Control Center (NOAA/NESDIS)
SODAR	Sound Detection and Ranging (DOE)
SOF	Special Operations Forces (Army)
SOLAS	Safety of Life at Sea (NOAA/NCEP)
SOPA	Synchronous Orbit Plasma Analyzer (DOE)
SORD	Special Operations and Research Division (NOAA/ARL)
SPAWARSYSCOM	Space and Naval Warfare Systems Command
SPC	Storm Prediction Center (NOAA/NCEP)
SR	Savannah River (DOE)
SRS	Savannah River Site (DOE)
SRTC	Savannah River Technology Center (DOE)
SSOB	Special Support Operations Branch (DOD)
SSM/I	Special Sensor Microwave/Imager (NOAA/NESDIS)
SST	Sea surface temperature
SSU	Stratospheric Sounding Unit (NOAA)
STIWG	Satellite Telemetry Interagency Working Group (OFCM)
STP	Solar-Terrestrial Physics
STS	Special Tactics Squadron (AF)
STT	Small Tactical Terminal (AF)
STWDSR	Surface Transportation Weather Decision Support Requirements (FHWA)
SURFRAD	Surface Radiation (DOE)
SVS	Synthetic Vision System (NASA)
SWA	Southwest Asia (DOD)
SWAFS	Space Weather Analysis and Forecasting System (AF)
SWE	Snow Water Equivalent (DOI/BUREC)
SWO	Staff Weather Officer (AF)
	Space Weather Operations (NOAA/OAR)
SWR	Supplemental Wether Radar (Navy)
SXI	Solar X-Ray Imager (AF)
T2	Technology transfer
TACMET-MOD	Tactical Meteorological Observing System Modification (AF)
TACWX	Tactical weather (DOD)
TAF	Terminal Aerodrome Forecast
TAL	Transatlantic Abort Landing (NASA)
TAO	Tropical Atmosphere Ocean
TAWS	Target Acquisition Weather Software (AF)
TCP	Transformation Campaign Plan (Army)
TDA	Tactical Decision Aid (Army)
TDWR	Terminal Doppler Weather Radar (FAA)
TEA-21	Transportation Equity Act for the 21 st Century (FHWA)
TEC	Topographic Engineering Center (Army)
	Total Electron Content (DOE)
TED	Total Energy Detector (NOAA/NESDIS)
TEDS	Tactical Environmental Data Server (Navy)
TESS	Tactical Environmental Support System (Navy)
TFU	Theater Forecast Unit (AF)
TIMEX	Thunderstorm Initiation Mobile Experiment (NOAA/OAR)
TIROS	Television Infrared Observation Satellite (NOAA/NESDIS)
TOC	Tactical Operations Center (Army)
TOE	Table of Organization and Equipment (Army)
TOGA	Tropical Ocean and Global Atmosphere
TOVS	TIROS-N Operational Vertical Sounder (NOAA/NESDIS)
TPC	Tropical Prediction Center (NOAA/NCEP)
TPW	Total Precipitable Water (NOAA/NESDIS)
TRACON	Terminal Radar Approach Control (FAA)

TRADOC	Training and Doctrine Command (Army)
TRB	Transportation Research Board (FHWA)
TRITON	Triangle Trans-Ocean buoy Network (NOAA/OAR)
TRMM	Tropical Rainfall Measuring Mission (NASA)
TUAN	Tactical Unmanned Aerial Vehicle (Army)
TWIP	Terminal Weather Information for Pilots (FAA)
TWP	Tropical Western Pacific (DOE)
TWR	Tactical Weather Radar (AF)
UAV	Unmanned Aerial Vehicle (AF)
UCAR	University Corporation for Atmospheric Research
UN	United Nations
UNEP	United Nations Environment Program (WWP/DOS)
UPOS	University Partnering for Operational Support (AF)
USA	U.S. Army
USACE	U.S. Army Corps of Engineers
USAES	U.S. Army Engineer School
USAF	U.S. Air Force
USAFE	U.S. Air Forces in Europe
USAFAS	U.S. Army Field Artillery School
USAIC&FH	U.S. Army Intelligence Center and Fort Huachuca
USAR	U.S. Army Reserve
USARAK	U.S. Army Alaska
USARC	U.S. Army Reserve Command
USAREUR	U.S. Army Europe
USARHAW	U.S. Army Hawaii
USARIEM	U.S. Army Research Institute of Environmental Medicine
USARJ	U.S. Army Japan
USARPAC	U.S. Army Pacific
USASMD	U.S. Army Space and Missile Defense Command
USASOC	U.S. Army Special Operations Command
USCENTCOM	U.S. Central Command
USCG	U.S. Coast Guard
USDA	U.S. Department of Agriculture
USGCRP	U.S. Global Change Research Program
USGS	U.S. Geological Survey
USHCN	U.S. Historical Climatology Network
USIABP	U.S. Interagency Arctic Buoy Program (NOAA/NESDIS)
USMC	U.S. Marine Corps
USMCC	U.S. SARSAT Mission Control Center (NOAA/NESDIS)
USN	U.S. Navy
USWRP	U.S. Weather Research Program
UTC	Universal Time Coordinated (Zulu)
UV	Ultra-violet
VA	Volcanic Ash
VAAC	Volcanic Ash Advisory Center (NOAA/NESDIS)
VAS	VISSR Atmospheric Sounder
VCP	Voluntary Cooperation Program (WWP)
VIN	Vegetative Index Number (USDA)
VIRS	Visible and Infrared Scanner (NASA)
VISSR	Visible and Infrared Spin Scan Radiometer
VORTEX	Verification of the Origins of Rotation in Tornadoes Experiment (NOAA/OAR)
VOS	Voluntary Observing Ship (WWP)
VPR	Vertical Profile of Reflectivity (DOI)
VSAT	Very Small Aperture Terminal (AF)
VSL	Variable Speed Limit (FHWA)
VTMX	Vertical Transport and Mixing Experiment (DOE)

VTs	Vessel Traffic System (NOAA/NOS)
WAAS	Wide Area Augmentation System (FAA)
WAFC	World Area Forecast Center (WWP)
WAFS	World Area Forecast System (WWP)
WAOB	World Agricultural Outlook Board (USDA)
WARP	Weather and Radar Processor (FAA)
WaRSMP	Watershed and River System Management Program (DOI)
WCT	Wind Chill Temperature (OFCM)
WDA	Weather Data Analysis (AF)
WEFAX	Weather Facsimile (WWP)
WETM	Weather Team (DOD)
WFAS	Wildland Fire Assessment System (DOI)
WFMIS	Wildland Fire Management Information Site (DOI)
WFO	Weather Forecast Office (NOAA/NWS)
WG	Working Group
WGCv	Working Group on Calibration and Validation (NOAA/NESDIS)
WINCOM	Weather Information Communications (NASA)
WIDA	Weather Impact Decision Aids (AF)
WINDS	Weather Information and Display System (DOE)
WIPP	Waste Isolation Pilot Plant (DOE)
WIST	Weather Information for Surface Transportation
WMC	World Meteorological Center(s) (WWP)
WMO	World Meteorological Organization
WMSCR	Weather Message Switching Center-Replacement (FAA)
WOCE	World Ocean Circulation Experiment (NOAA/NESDIS)
WPDN	Wind Profile Demonstration Network (NOAA)
WPSM	Warfighter Physiological Status Monitoring (Army)
WRD	Water Resources Division (DOI/USGS)
WRF	Weather Research and Forecast (NOAA/OAR)
WRS	Weather Reconnaissance Squadron (AF)
WSDDM	Weather Support to Deicing Decision Making (FAA)
WSP	Weather Systems Processor (FAA)
WSR-88D	Weather Surveillance Radar-1988 Doppler (NEXRAD)
WSSRAP	Weldon Springs Site Remedial Action Project (DOE)
WST	Weather Support Team (Army)
WWCB	Weekly Weather and Crop Bulletin (USDA)
WWP	World Weather Program
WWW	World Weather Watch (WMO)
	World wide web
XOW	Director of Weather (AF)
YMP	Yucca Mountain Project (DOE)